Phycologia (1999) Volume 38 (6), 550–553 Published 10 December 1999

SUBJECT INDEX

New taxa and combinations are in bold face; synonyms not recognized in this volume are in italics. Illustrations are marked with an asterisk.

18S rRNA gene sequences 208, 517

Acanthopeltis 528
hirsuta comb. nov. 539
japonica 528, 535*ff
Achnanthes brevipes 437, 469*
acid phosphatase 428
Adriatic 77
Aleutian Islands 253
alkaline phosphatase 428
Amansia 245
paloloensis sp. nov. 246*ff, 247
Amphidiniopsis sibbaldii 74
Amphiroa 208
Amphisolenia 108
Anfractutofilum umbracolens 47
Antarctic 314
Asterionella synedriformis 54
Australia 47, 128, 138
axenic culture 503

Bacillariophyceae 8, 54, 314, 437
Bangiophyceae 217
Batrachospermales 47, 70, 261
Batrachospermum 70, 261
boryanum 70
vagum var. *flagelliforme* f. *tenuissima* 266
benthic dinoflagellates 92
bilenticular pyrenoid 267
biofilm 385
biogeography 314, 437, 517
Boldia 517
Boldiaceae 517
Bostrychia 234
moritziana 234
radicans 234
Botryocladia ardreana 36
boulder habitats 138
Brachytheca gen. nov. 345
sulcata sp. nov. 346*ff
brackish water 8
Brazil 1, 167
Bryopsidales 114
Bryopsis myura 125

calcite 508
calcium 508
Caloglossa 356
continua 356
continua ssp. postiae 356
postiae sp. nov. 360*, 364
carbon 508
cell wall 100, 161, 217
cellulose 217
Ceramiales 47, 66, 128, 225, 253, 356
Chaetomorpha 267
Champiaceae 23
Champiaceae emend 35
Chlorococcales 368
Chlorophyta 100, 114, 267, 283, 345, 349, 368, 503
chloroplast morphology 114
Choricystis 100
chromosome number 66, 267
Chrysochromulina 149, 195
ahrengotii sp. nov. 195, 197*ff
fragaria sp. nov. 150, 151*f
Cladophorales 267
coccolith 508
coenobium formation 368
community structure 138
complexation 283
Compsopogon 517
coeruleus emend 526
Compsopogonaceae 517
Compsopogonales 517
copper 283
coral reef 92
Corallinales 138, 208, 401
Corsica 77
Cruoriella armorica 168
cyanobacteria 385
cyst 289, 301
Cystoseira 77
funkii 77
jabuka 77
mediterranea var. valiantei 77

Delesseriaceae 128, 356, 394
Denmark 195, 289
desmid 345
Desmidiaceae 345
diarrhetic shellfish poisoning (DSP) 60
diatoms 8, 54, 314, 437
Dictyota 184
grossedentata sp. nov. 185*ff
rigida sp. nov. 189, 190*
Dictyotales 184
dinoflagellate 41, 60, 74, 87, 92, 108, 289, 301, 377
Diploneis 437, 448*ff
linearis 317
patagonica 323
smithii-fusca 437, 448*ff

ecology 8, 138, 349, 368, 385
Emiliania huxleyi 508
endemism 314
epilithic community 385
exudate 283

Fallacia 8
aequorea 9*ff
amphipleuroides 10*, 11
arenaria sp. nov. 10*ff, 13
cassubiae 13
cf. teneroides 10*ff, 19
cryptolyra 10*ff, 13
escorialis comb. nov. 10*, 15
fenestrella 11
forcipata 11*, 15
inattingens 13
margino-punctata sp. nov. 10*ff, 15
pulchella sp. nov. 10*ff, 17

Phycologia (1999) Volume 38 (6), 550–553 Published 10 December 1999

SUBJECT INDEX

New taxa and combinations are in bold face; synonyms not recognized in this volume are in italics. Illustrations are marked with an asterisk.

18S rRNA gene sequences 208, 517

Acanthopeltis 528
hirsuta comb. nov. 539
japonica 528, 535*ff
Achnanthes brevipes 437, 469*
acid phosphatase 428
Adriatic 77
Aleutian Islands 253
alkaline phosphatase 428
Amansia 245
paloloensis sp. nov. 246*ff, 247
Amphidiniopsis sibbaldii 74
Amphiroa 208
Amphisolenia 108
Anfractutofilum umbracolens 47
Antarctic 314
Asterionella synedriformis 54
Australia 47, 128, 138
axenic culture 503

Bacillariophyceae 8, 54, 314, 437
Bangiophyceae 217
Batrachospermales 47, 70, 261
Batrachospermum 70, 261
boryanum 70
vagum var. *flagelliforme* f. *tenuissima* 266
benthic dinoflagellates 92
bilenticular pyrenoid 267
biofilm 385
biogeography 314, 437, 517
Boldia 517
Boldiaceae 517
Bostrychia 234
moritziana 234
radicans 234
Botryocladia ardreana 36
boulder habitats 138
Brachytheca gen. nov. 345
sulcata sp. nov. 346*ff
brackish water 8
Brazil 1, 167
Bryopsidales 114
Bryopsis myura 125

calcite 508
calcium 508
Caloglossa 356
continua 356
continua ssp. postiae 356
postiae sp. nov. 360*, 364
carbon 508
cell wall 100, 161, 217
cellulose 217
Ceramiales 47, 66, 128, 225, 253, 356
Chaetomorpha 267
Champiaceae 23
Champiaceae emend 35
Chlorococcales 368
Chlorophyta 100, 114, 267, 283, 345, 349, 368, 503
chloroplast morphology 114
Choricystis 100
chromosome number 66, 267
Chrysochromulina 149, 195
ahrengotii sp. nov. 195, 197*ff
fragaria sp. nov. 150, 151*f
Cladophorales 267
coccolith 508
coenobium formation 368
community structure 138
complexation 283
Compsopogon 517
coeruleus emend 526
Compsopogonaceae 517
Compsopogonales 517
copper 283
coral reef 92
Corallinales 138, 208, 401
Corsica 77
Cruoriella armorica 168
cyanobacteria 385
cyst 289, 301
Cystoseira 77
funkii 77
jabuka 77
mediterranea var. valiantei 77

Delesseriaceae 128, 356, 394
Denmark 195, 289
desmid 345
Desmidiaceae 345
diarrhetic shellfish poisoning (DSP) 60
diatoms 8, 54, 314, 437
Dictyota 184
grossedentata sp. nov. 185*ff
rigida sp. nov. 189, 190*
Dictyotales 184
dinoflagellate 41, 60, 74, 87, 92, 108, 289, 301, 377
Diploneis 437, 448*ff
linearis 317
patagonica 323
smithii-fusca 437, 448*ff

ecology 8, 138, 349, 368, 385
Emiliania huxleyi 508
endemism 314
epilithic community 385
exudate 283

Fallacia 8
aequorea 9*ff
amphipleuroides 10*, 11
arenaria sp. nov. 10*ff, 13
cassubiae 13
cf. teneroides 10*ff, 19
cryptolyra 10*ff, 13
escorialis comb. nov. 10*, 15
fenestrella 11
forcipata 11*, 15
inattingens 13
margino-punctata sp. nov. 10*ff, 15
pulchella sp. nov. 10*ff, 17

scaldensis sp. nov. 11*ff, 18
tenera 10*ff, 18
umpatica 19
wuestii comb. nov. 10*, 19
Faucheaceae fam. nov. 23, 36
flagellar apparatus 149, 195, 289
France 92
freshwater red algae 47

gametangial morphology 114
Gelidiales 528
Gigartinales 428
Goniolithon
elegans 411
pallescens 411
Gracilaria tenuistipitata 428
grazer-induced defense 368
grazing 349
Gulf of California 401
Gymnodiniales 377
Gymnodinium 289, 301, 377
brevisulcatum sp. nov. 378*ff, 379
catenatum 289, 301
microreticulatum sp. nov. 303, 304*ff
nolleri 301
nolleri sp. nov. 290*ff, 293

Hantzschia 437
amphioxys 437, 454*
virgata 437, 453*
Haptophyta 149, 195, 508, 541
harmful algal blooms 41, 60, 377
historical review 437
Homosira banksii 161
hybridization 234

immunolabel 41, 60
Indian Ocean 87, 92, 108, 184
insolation 349
internal transcribed spacer (ITS) 261, 528
intersimple sequence repeats (ISSR) 70
ion selective electrode (ISE) 283
iron deficiency 418
irradiance 349, 385, 508
Irvinea gen. nov. 36
Irvinea ardreana comb. nov. 36
ITS1 rDNA nucleotide sequences 149, 517, 528
ITS2 rDNA nucleotide sequences 517

Janczewskia 1
moriformis 1, 2*ff

kelp canopy 138
Kintarosiphonia gen. nov. 225
fibrillosa comb. nov. 226ff*, 227
Kirchneriella aperta 283

large-subunit (LSU) nuclear ribosomal DNA 301, 496
Laurencia 1, 2*ff
lead 283
life history 541
ligands 283
light-harvesting complex 418
Lithophylloideae 208
Lithophylloideae emend 209
Lithophyllum 208, 401
dentatum f. *diguetii* 411
diguetii 411
elegans 411
elegans f. *angulata* 411
elegans f. *complanata* 411
incrustans 208
lithophylloides f. *lithophylloides* 411
margaritae 411
pallescens 411
veleroae 411
Lithothamion 411
diguetii 411
elegans 411
elegans f. *angulata* 411
elegans f. *complanata* 411
lithophylloides 411
margaritae 411
pallescens 411
Lomentariaceae 23, 35

Mediterranean Sea 277
Melanamansia 245
microphytobenthos 8
mites 349
molecular phylogeny 23, 100, 208, 234, 261, 356, 496, 517, 528
Monostroma 503
Muelleria 314, 317
algida sp. nov. 318, 328*f
bachmannii 321, 331*
dubitanda 318*, 321
gibbula 321
holmenii comb. nov. 318*, 322
linearis 317, 318*ff
luculenta sp. nov. 322, 328*ff
meridionalis 323, 334*ff
patagonica 323, 334*f
peraustralis 318*f, 323
portomontana 324, 334*f
splendidula 325, 331*f
terrestris 325, 337*
variolata sp. nov. 320*ff, 325
varipunctata sp. nov. 326*f, 327
Mychonastes 100

nanoplankton 195
Navicula 8, 314, 437
aequorea 9
amphipleuroides 11
bachmannii 321
carminata var. *africana* 19
cryptolyra 13
dubitanda 321
escorialis 15
fenestrella 11
forcipata 15
gibberula 321
gibberula var. *capitata* 321
gibbula 321
homenii 322
inattingens 13
lacus-baikali 437, 478*
lagerstedtii 321
linearis 317
margino-ornata 11
misella 13
peraustralis 323
porto-montana 324
praestoeensis 13
spendidula 325
tenera 18
teneroides 19
terrestris 325
umpatica 19
wuestii 19
Neidium ampliatum 437, 458*ff
Nemalionopsis 47

New Zealand 377
Nitzschia 437
sigmoidea 437, 464*
vermicularis 437, 464*

Odonthalia 253
uniseriata sp. nov. 253, 255*ff
okadaic acid 41, 60
Osmundea 277
hybrida 282*
maggsiana sp. nov. 277, 280*f
Ostreopsis 92
belizeanus sp. nov. 94, 95*
caribbeanus sp. nov. 96, 97*
marinus sp. nov. 93, 94*

Papua New Guinea 345
parasite 1, 437
Peridiniales 92
Peyssonnelia 167
armorica 168, 169*f
børgesenii 168, 171*f
boudouresquei 170, 173*f
capensis 176*f, 177
inamoena 178*ff, 179
Phaeophyceae 77, 161, 184, 496
phenolic compounds 161
phosphorus 428
photosystem 418
phycobilisome 418
Phyllospora comosa 161
physiology 283, 418, 428, 503, 508
phytogeography 234
phytoplankton 54, 100, 108, 195
picoplankton 100
polypyramidal pyrenoid 267
Polysiphonia 66
decumbens 66
harlandii 66
yendoi 66
Porphyra pertusa 37
Porphyridiales 418
Prasiola 349
meridionalis 349
Prorocentrum 41
lima 41
protein-phosphatase 2A 41
protoplasts 503
Prymnesiophyceae 149, 195, 508, 541
Prymnesium 541
parvum 541
parvum f. **patelliferum** stat. nov. 542
patellifera 542
patelliferum 541
Pseudobryopsis 114
Pseudobryopsis emend 125
myura 125
venezolana comb. nov. 125
Pseudodictyosphaerium 100
jurisii 100
Pseudolithophyllum margaritae 411
Pterosiphonia 225
Pterosiphonia fibrillosa 227
Ptilothamnion 47
richardsii 11*, 47
umbracolens 47

*rbc*L gene sequence 261, 356, 496, 517, 528
*rbc*S gene sequence 356, 496
regeneration 503
reproductive isolation 356, 437
Rhizoclonium 267
Rhodella violacea 418
rhodoliths 401
Rhodomelaceae 1, 225, 234, 245, 253, 277
Rhodophyta 1, 23, 47, 66, 70, 128, 138, 167, 208, 217, 225, 234, 245, 253, 261, 277, 356, 394, 401, 418, 428, 517, 528
Rhodymenia pertusa 37
Rhodymeniaceae 23
Rhodymeniaceae emend 35
Rhodymeniales 23
RUBISCO spacer 234, 356

salinity 8, 428
Samoa 245
sand-dwelling algae 8, 74
Scenedesmus 368
Schizoseris 128
tasmanica sp. nov. 128, 129*ff
Scytosiphonales 496
seasonality 385
Sellaphora pupula 437, 464*ff
sequestration 41
Sicily 77
single-stranded conformational polymorphisms (SSCP) 234
Sinophysis 87
canaliculata sp. nov. 87, 88*ff
Sirodotia 261
acuminata 266
fennica 266
huillensis 261
suecica 261, 266
tenuissima 261, 266
small-subunit nuclear ribosomal DNA (SSU) 23, 528
South Pacific 184, 245
Sparlingia gen. nov. 37
pertusa comb. nov. 37
speciation 437
spines 368
splash zone 349

terminal complexes 217
Thalassionema 54
javanicum 54
synedriforme comb. nov. 54, 55*f
Thalassiosira eccentrica 437, 455*
Thalassiothrix 54
frauenfeldii var. *javanica* 54
javanica 54
spathulata sp. nov. 56*f, 58
Thecadiniaceae 74
Thorea 47
conturba sp. nov. 49, 50*
Titanoderma pustulatum 208
toxins 41, 60, 149, 301
Trichosolen 114
Trichosolen emend 125
venezolana 125
Triposolenia 108
fallax sp. nov. 109*ff

ultrastructure 100, 149, 161, 195, 217, 267, 289, 418

Vanvoorstia 394
incipiens sp. nov. 394, 395*ff

wall microfibrils 217
Western Mediterranean 77

Yatabella hirsuta 528, 535*ff, 539

zonation 349, 385

BOOK REVIEWS

Marine Algae of Japan. By Tadao Yoshida. (Reviewed by Takeo Horiguchi) 75
Krasnye Vodorosli Dal'nevostochnykh Morei Rossii [*Red Algae of the Far Eastern Seas of Russia*]. By L.P. Perestenko. (Reviewed by Chris van den Hoek) 156
The Marine Benthic Flora of Southern Australia, Rhodophyta–Part IIIC (Ceramiales–Ceramiaceae, Dasyaceae). By H.B.S. Womersley. (Reviewed by Max H. Hommersand) 251
Algae and Element Cycling in Wetlands. By Jan Vymazal. (Reviewed by Ralph A. Lewin) 342
Catalogue of the Benthic Marine Algae of the Indian Ocean. By Paul C. Silva, Philip W. Basson, and Richard L. Moe. (Reviewed by John J. Bolton) 342
Cyanoprokaryota 1. Teil Chroococcales. By J. Komárek and K. Anagnostidis. Sußwasserflora von Mitteleuropa 19/1 (Ed. by H. Ettl, G. Gärtner, H. Heynig and D. Mollenhauer). (Reviewed by Brian Whitton) 544

SOCIETY NEWS

Honorary member 76
IPS election results 76
Feldmann Fund 545
Winners of the Tyge Christensen Prize 545
Acknowledgment 545

FROM THE EDITOR-IN-CHIEF 546

AUTHOR INDEX

Addeppali M.K. 503
Amzil Z. 41
Anderson B.S. 349

Bailey J.C. 208
Ballesteros E. 77
Barbier M. 41
Beekman W. 368
Bhaud Y. 41
Bolch C.J.S. 301
Bolton J.J. 343
Brand-Gardner S. 138

Cembella A.D. 60
Chang F.H. 377
Clayton M.N. 161
Coppejans E. 184, 394
Cormaci M. 277
Couté A. 87

Daume S. 138
De Clerck O. 184, 394

Edvardsen B. 149
Eikrem W. 149
Ellegaard M. 289
Entwisle T.J. 47

Faust M.A. 92
Foard H.J. 47
Foster M.S. 349, 401
Fujii M.T. 1, 167
Furnari G. 277

Garrabou J. 77
Gontcharov A.A. 345
Guimarães S.M.P.B. 1, 167

Hallegraeff G.M. 301
Hasle G.R. 54
Henne K.-D. 114
Hepperle D. 100
Hernández-Becerril D.U. 108
Herth W. 217
Hommersand M.H. 252
Horiguchi T. 75, 496, 528

Jensen M.Ø. 195

Kamiya M. 356
Kawai H. 356
Keum Y.-S. 66
Kim M.S. 66
King R.J. 234, 356
Kociolek J.P. 314
Kogame K. 496
Kraft G.T. 23, 128
Krienitz L. 100
Kumar G.R.K. 503

Larsen A. 541
Lassus P. 41
Lawrence J.E. 60
Lee I.K. 66
Lee T.-M. 428
Lewin R.A. 342
Lin S.-M. 128
Lombardi A.T. 283
Lürling M. 368

Mann D. 437
Marquardt J. 418
Mascarell G. 87
Masuda M. 225, 253, 496, 528
Meave del Castillo M.E. 108
Miller K.A. 253
Miyaji K. 267
Moestrup Ø. 195, 289
Mondeguer F. 41
Muylaert K. 8

Nagarkar S. 385
Negri A.P. 301
Nicholls K.H. 74

Orologas N. 217

Paasche E. 508

Quod J.-P. 87

Reddy C.R.K. 503
Rintoul T.L. 517
Riosmena-Rodriguez R. 401
Rosenkranz V. 418

Sabbe K. 8
Sala E. 77
Saunders G.W. 23
Schnetter R. 114
Schoenwaelder M.E.A. 161
Schultze A. 418
Serio D. 277
Sheath R.G. 261, 517
Shih M.-C. 428
Shimada S. 528
Skelton P.A. 245
South G.R. 245
Soyer-Gobillard M.-O. 41
Spaulding S.A. 314
Strachan I.M. 23

Takeda H. 100
Tanaka J. 356
Ten-Hage L. 87
Tsai C.-C. 428
Tsekos I. 217
Turquet J. 87

Uwai S. 225

van den Hoek C. 156
Verlaque M. 77
Vieira A.H. 283
Vis M.L. 70, 261, 517
Vyverman W. 8

Watanabe M. 345
Wehrmeyer W. 418
West J.A. 234, 356
Whitton B. 544
Williams G.A. 385
Woelkerling Wm J. 138, 401
Wong D. 314
Wynne M.J. 394

Zuccarello G.C. 234, 356